A00593

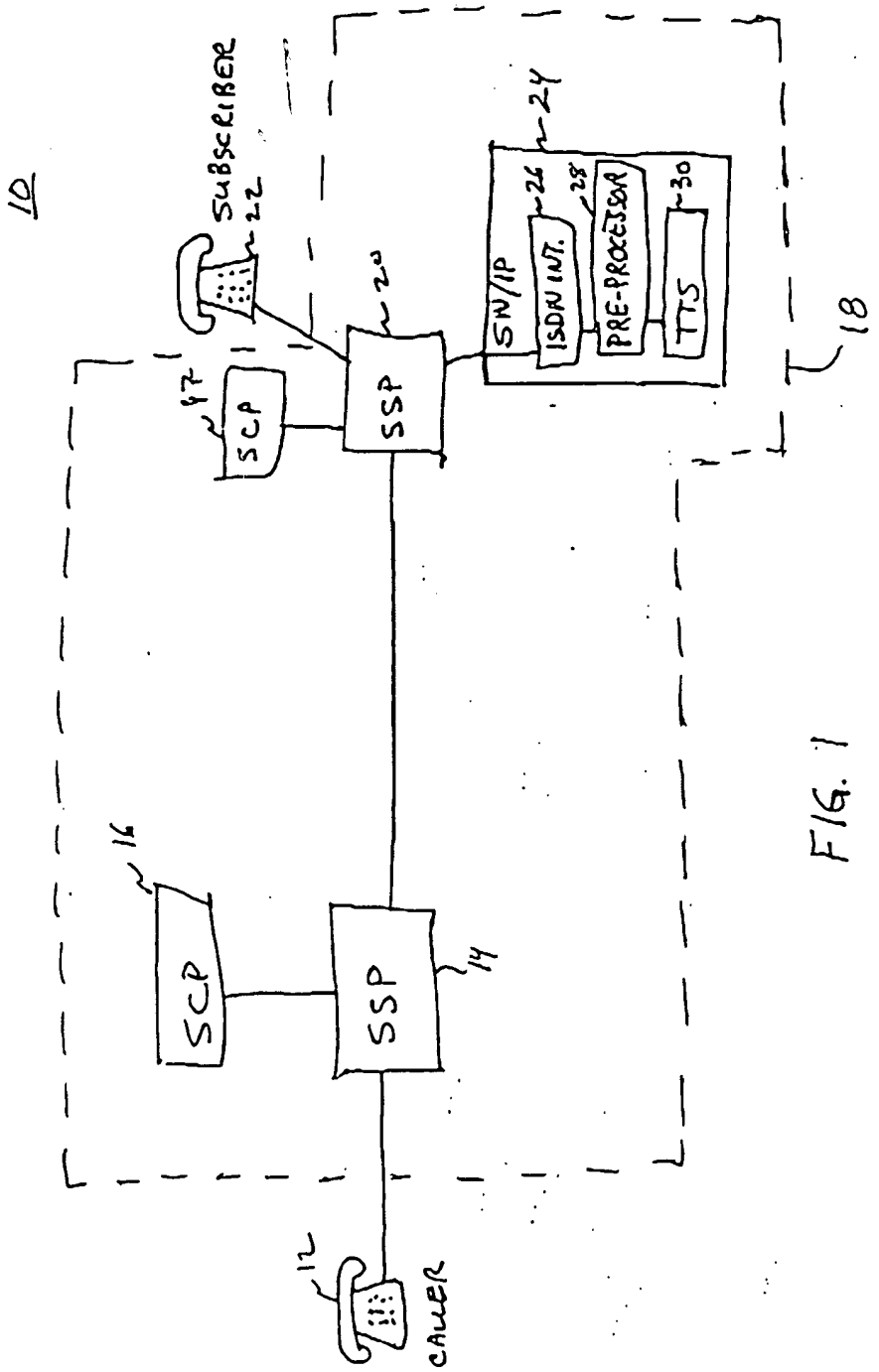

10
SUBSCRIBER
22
20
24
SN/IP
26
ISDN INT.
28
PRE-PROCESSOR
30
TTS
18
SCP
17
SSP
SCP
16
SSP
14
12
CALLER

FIG. 1

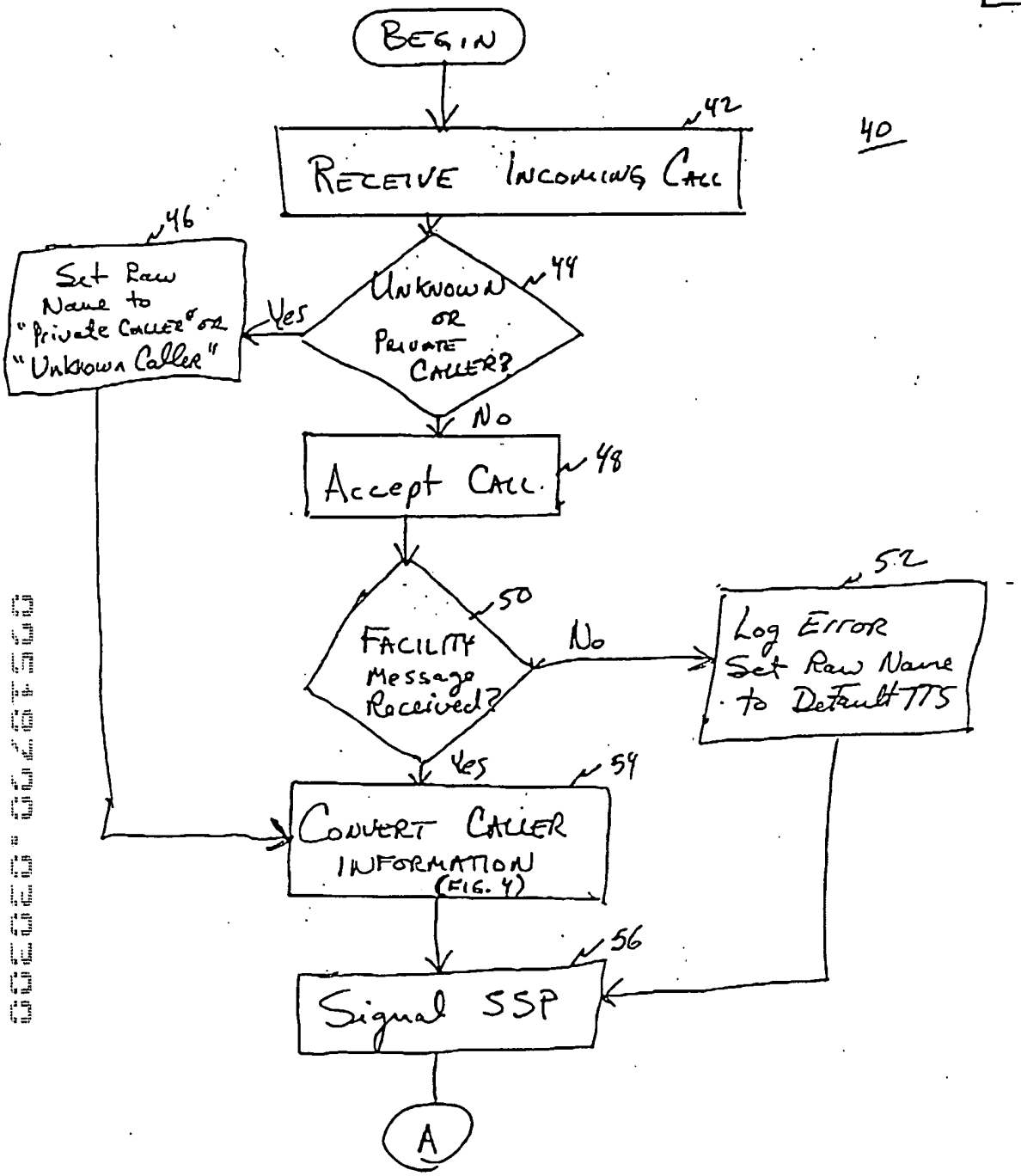

BEGIN
42
RECEIVE INCOMING CALL
40
46
Set Raw Name to "Private Caller" or "Unknown Caller"
Yes
UNKNOWN OR PRIVATE CALLER?
44
No
ACCEPT CALL.
48
FACILITY Message Received?
50
No
52
Log Error Set Raw Name to Default TTS
Yes
54
CONVERT CALLER INFORMATION (FIG. 4)
56
Signal SSP
A

FIG. 2

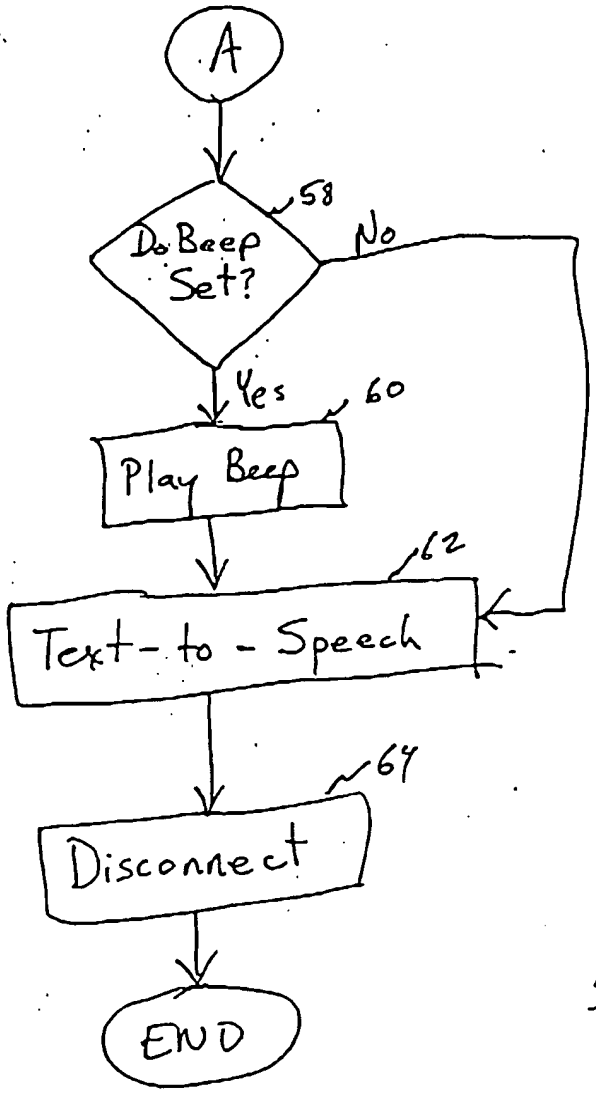

A
58
Do Beep Set?
No
Yes
60
Play Beep
62
Text-to-Speech
64
Disconnect
END
40

FIG. 3

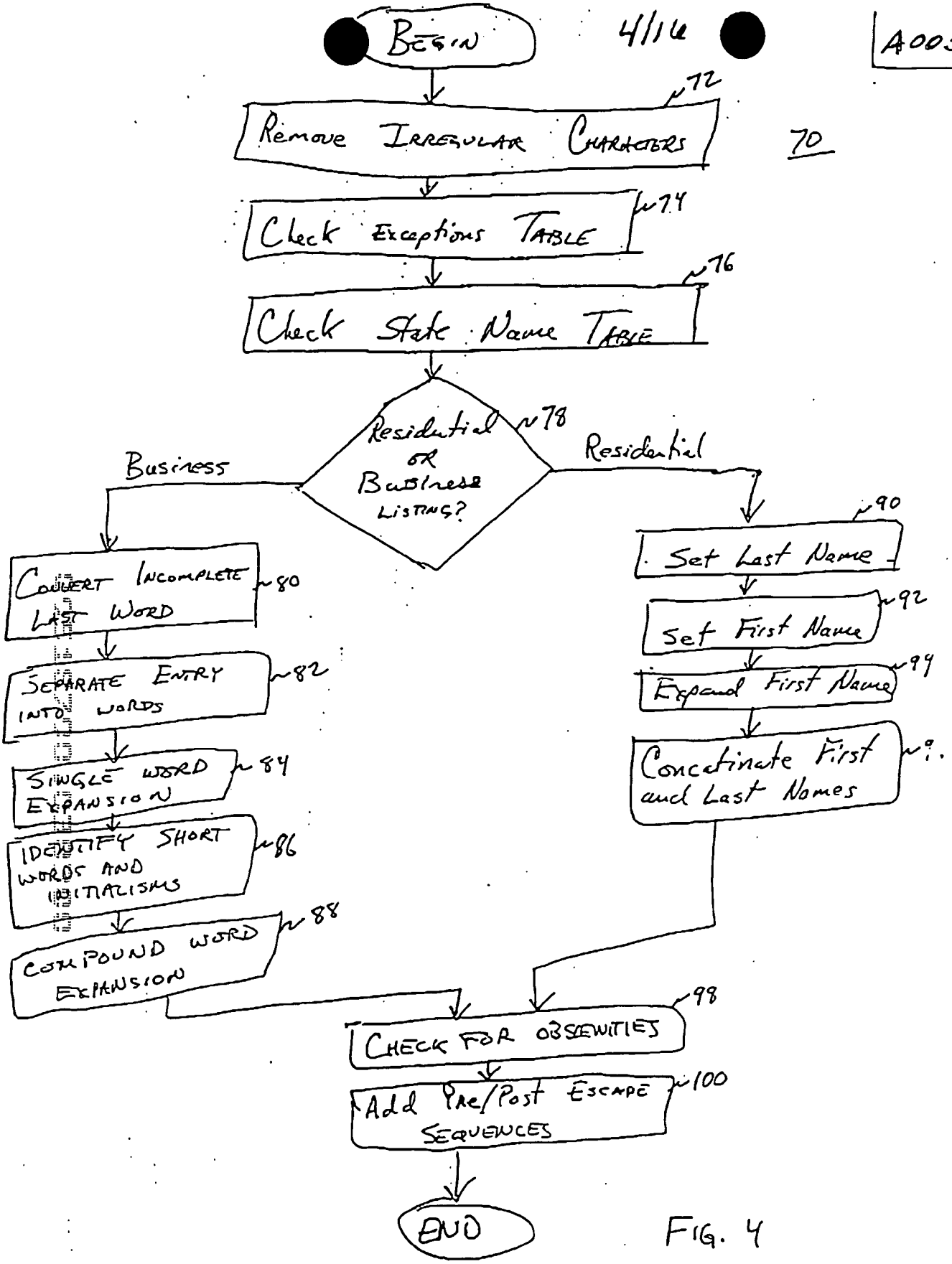
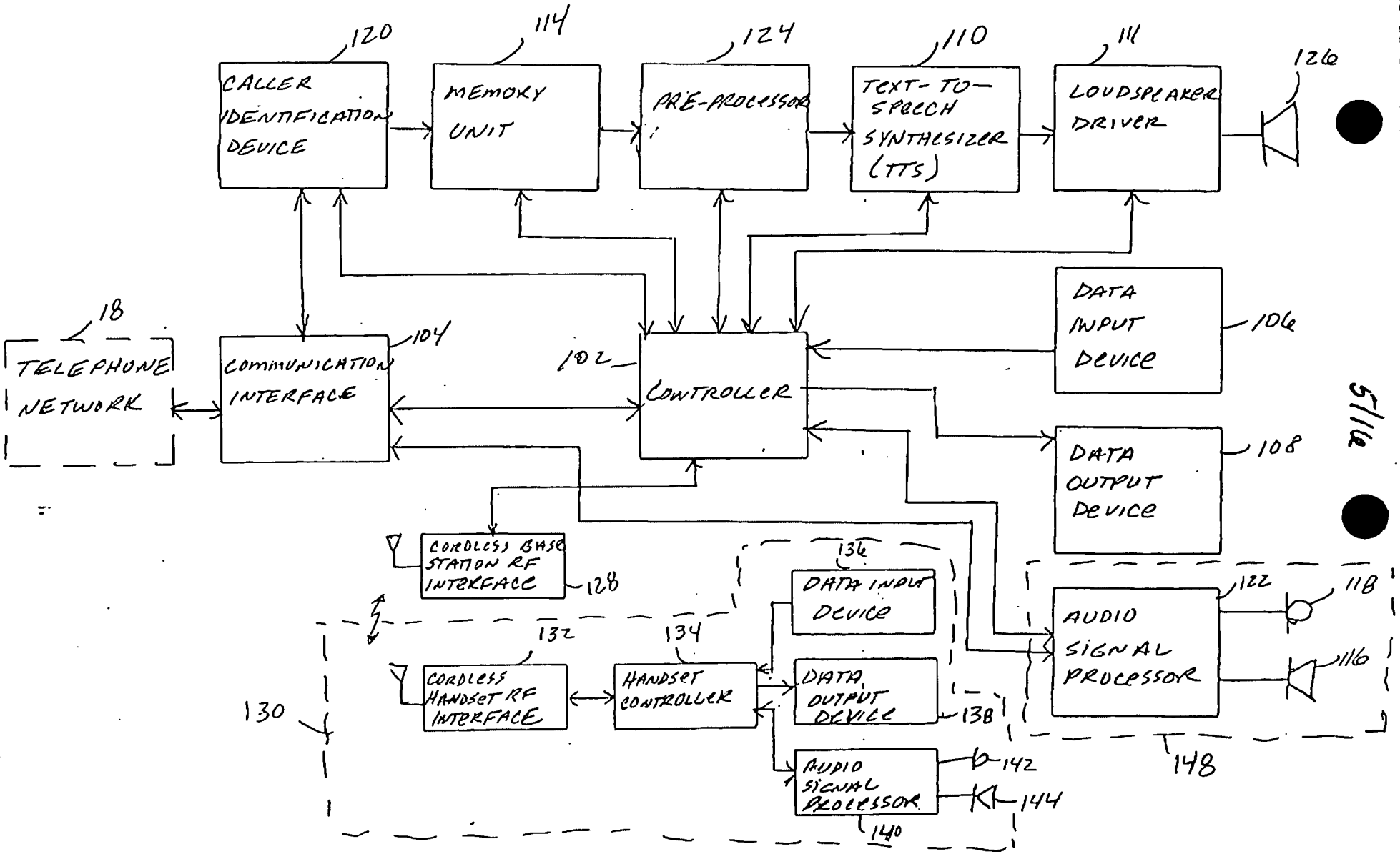

BEGIN
72
REMOVE IRREGULAR CHARACTERS
70
74
CHECK EXCEPTIONS TABLE
76
CHECK STATE NAME TABLE
78
RESIDENTIAL OR BUSINESS LISTING?
BUSINESS
RESIDENTIAL
80
CONVERT INCOMPLETE LAST WORD
82
SEPARATE ENTRY INTO WORDS
84
SINGLE WORD EXPANSION
86
IDENTIFY SHORT WORDS AND INITIALISMS
88
COMPOUND WORD EXPANSION
90
SET LAST NAME
92
SET FIRST NAME
94
EXPAND FIRST NAME
96
CONCATINATE FIRST AND LAST NAMES
98
CHECK FOR OBSCENITIES
100
ADD PRE/POST ESCAPE SEQUENCES
END

FIG. 4

FIG. 5 22 TELEPHONE SUBSCRIBER UNIT



MAR 03 '00 11:17 FR AMERITECH CNTR 2C9BB 847 248 3946 TO 913123214299 P.06

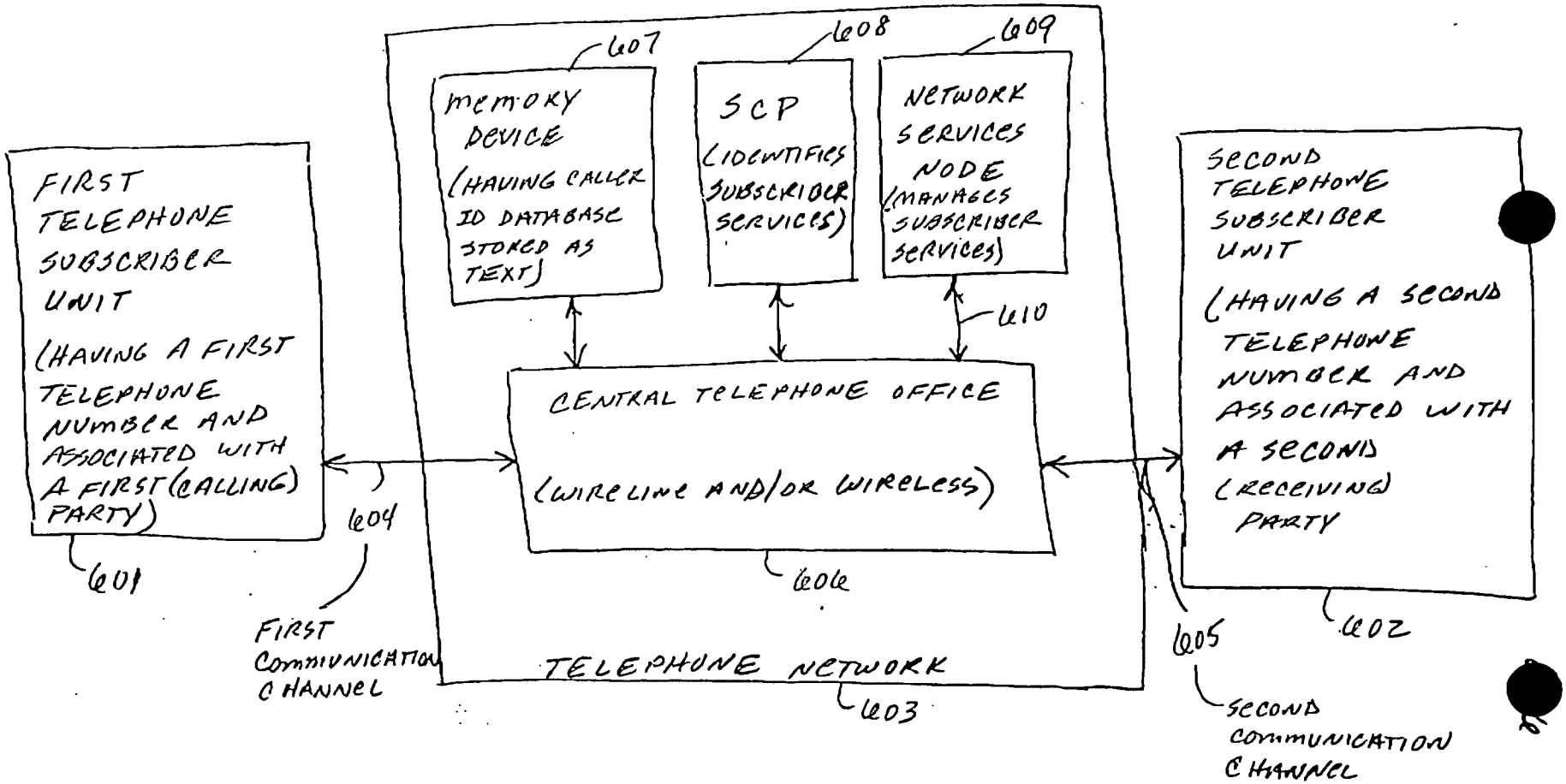


FIG. 6 TELECOMMUNICATIONS SYSTEM 600

MAR 03 '00 11:17 FR AMERITECH CNTR 2C98B 847 248 3946 TO 913123214299 P.07

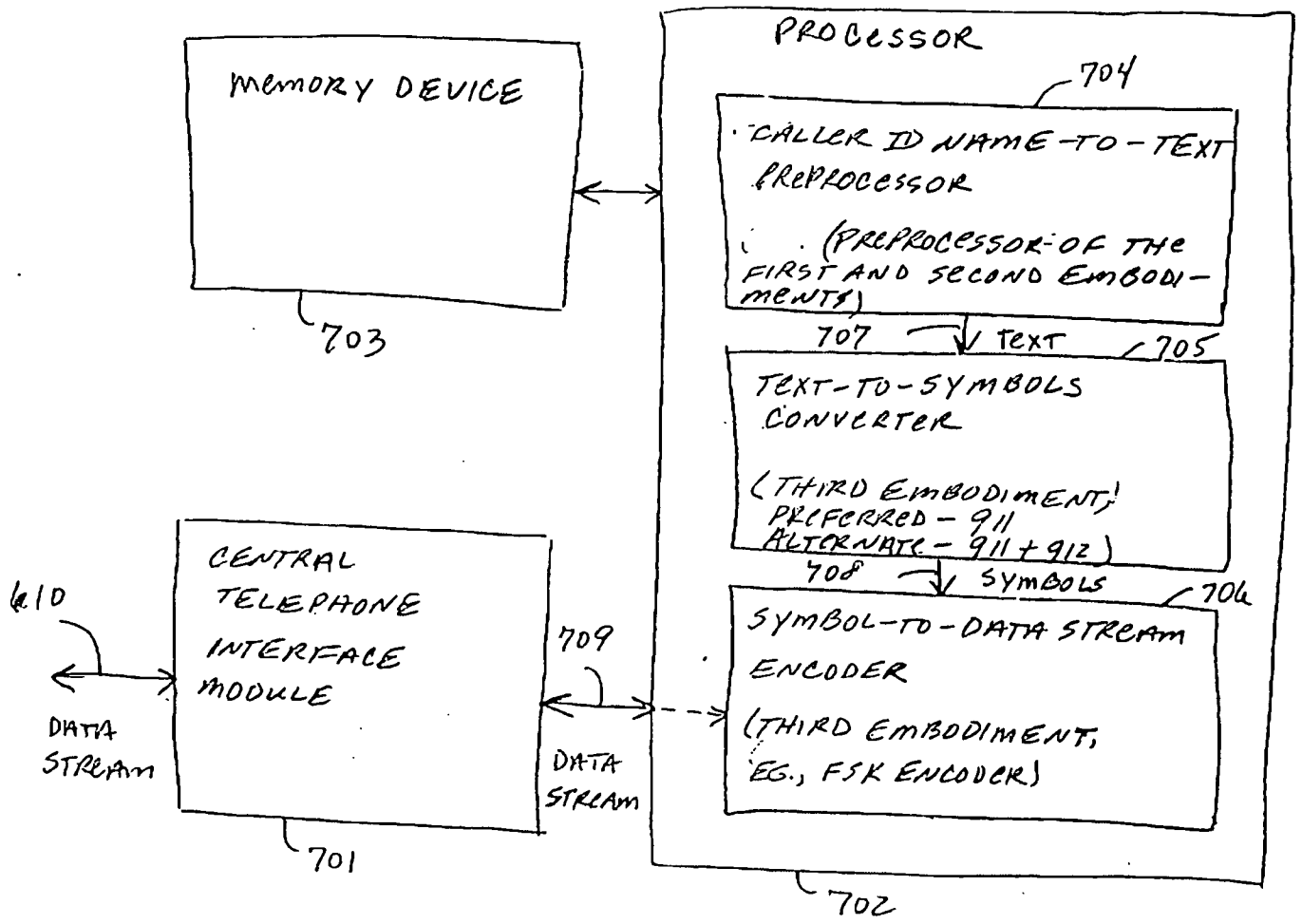


FIG. 7 NETWORK SERVICES NODE

609

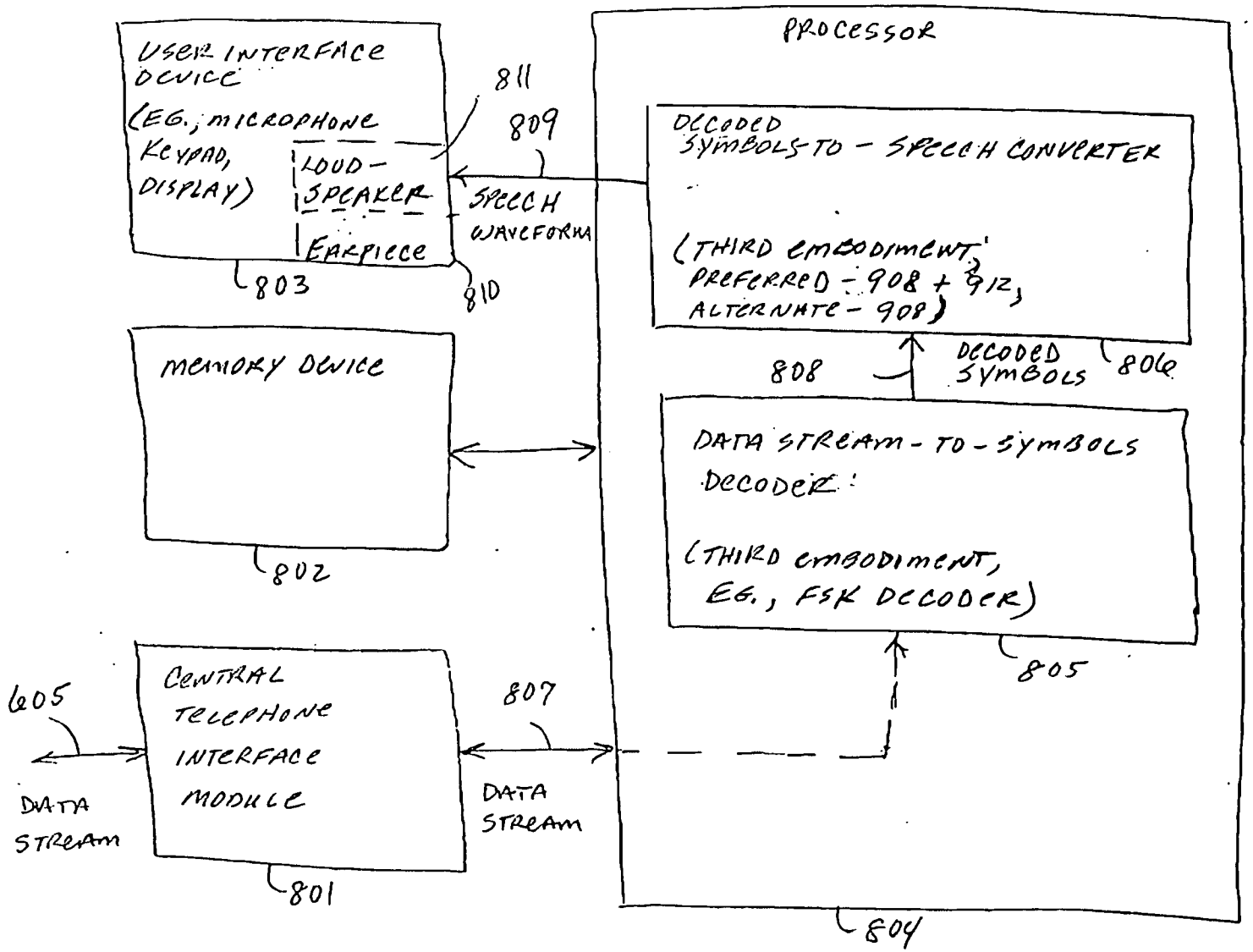


FIG. 8 SECOND TELEPHONE SUBSCRIBER UNIT 602

MAR 03 '00 11:17 FR AMERITECH CNTR 2C9BB 847 24B 3946 TO 913123214299 P.09

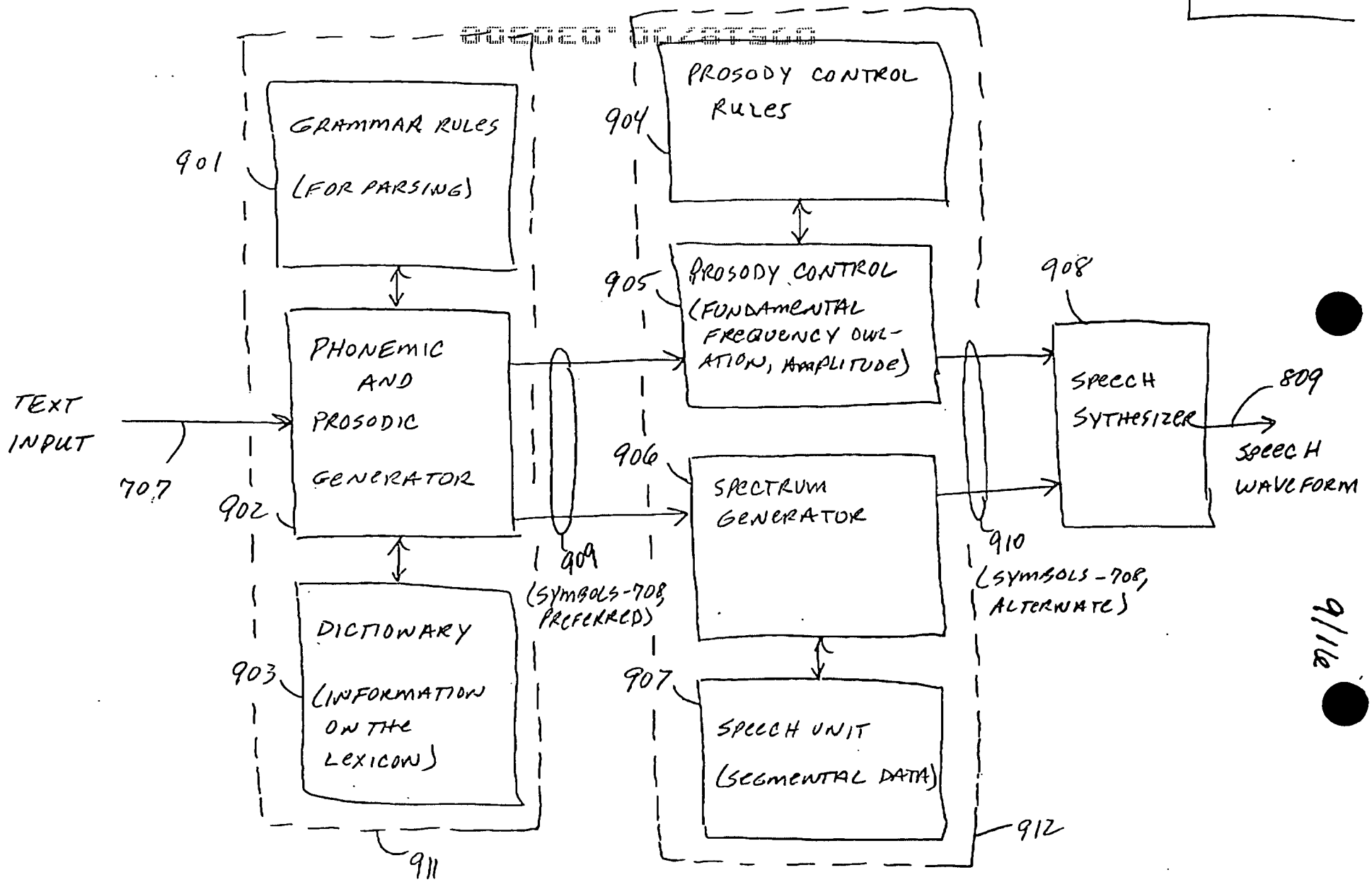


FIG. 9 TEXT-TO-SPEECH SYNTHESIZER

900 (705 AND 806)

9/16

MAR 03 '00 11:18 FR AMERITECH CNTR 2C98B 847 248 3946 TO 913123214299 P.10

A00593

FIG. 10

METHOD PERFORMED BY THE FIRST SUBSCRIBER UNIT OF FIG. 6.

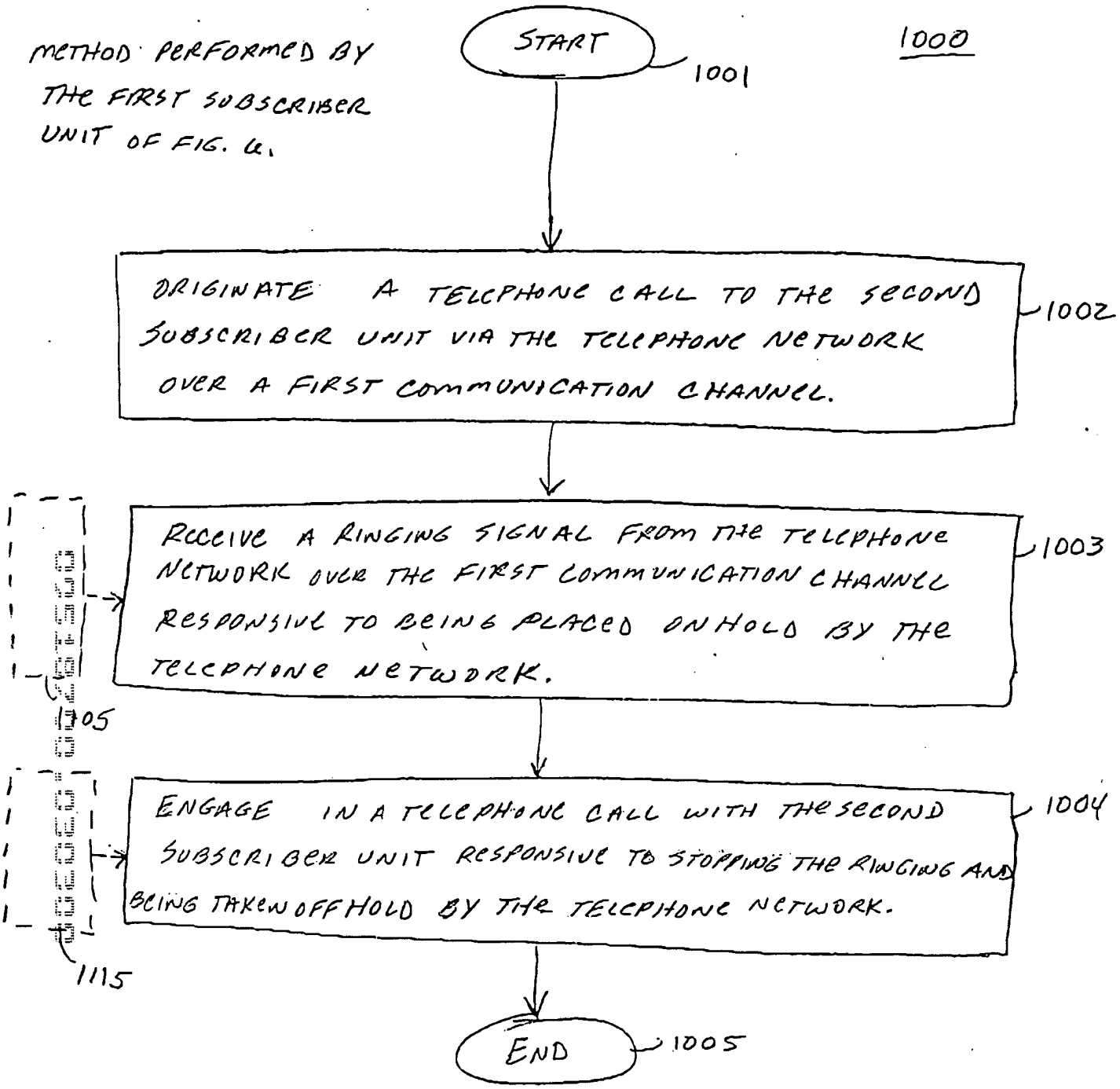


FIG. 11

METHOD PERFORMED BY THE TELEPHONE NETWORK OF FIG. 1e,

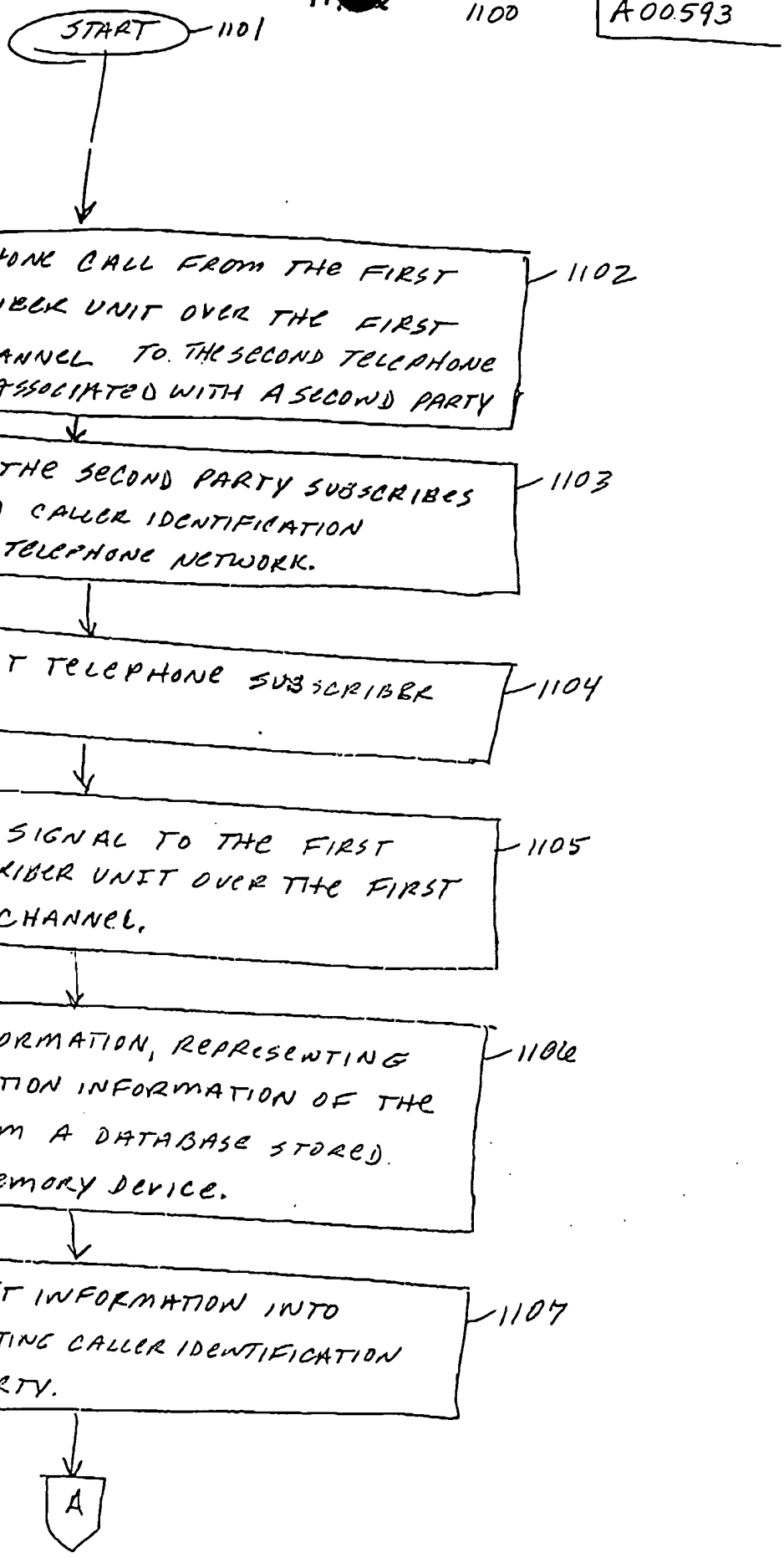


FIG. 11

1100

A00593

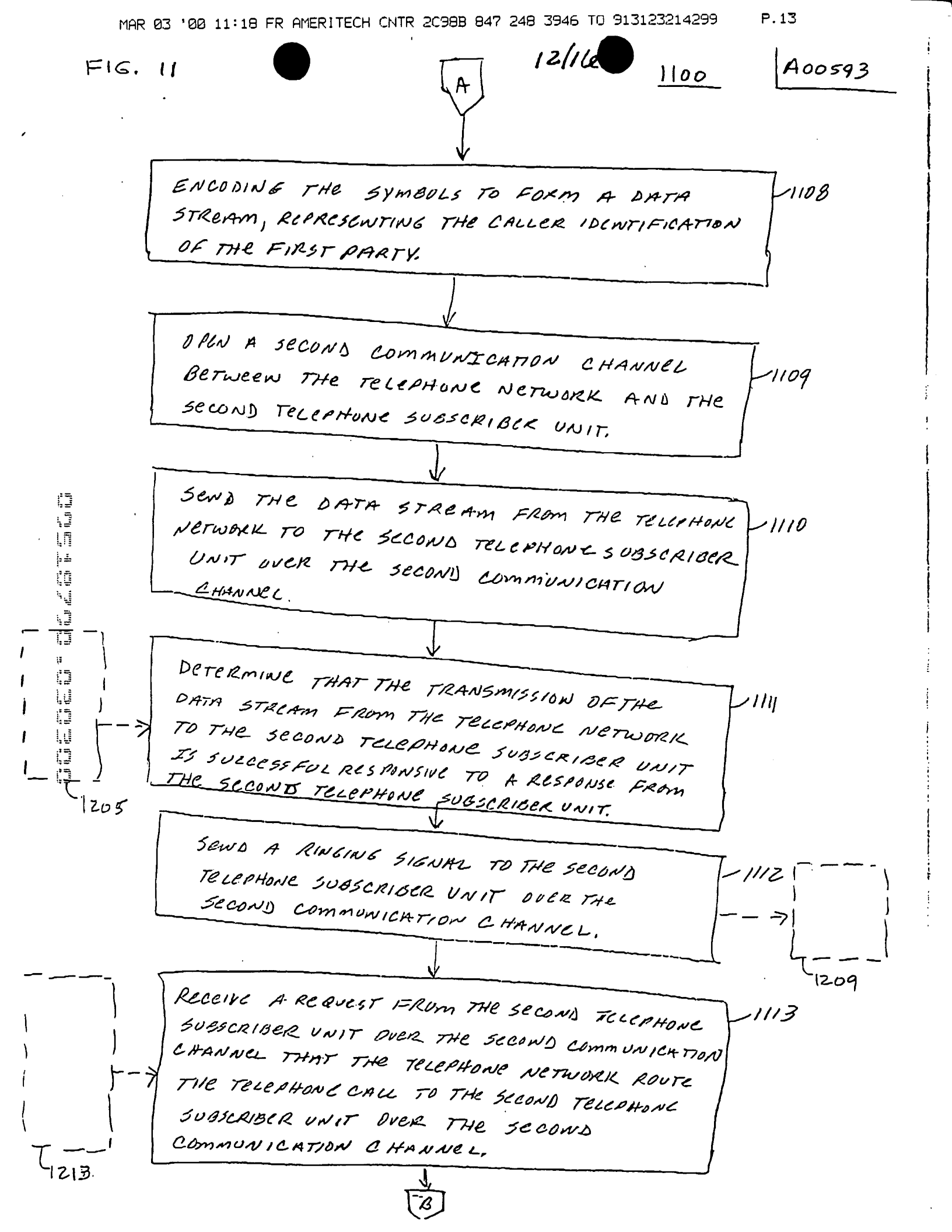


FIG. 11

1100

A00593

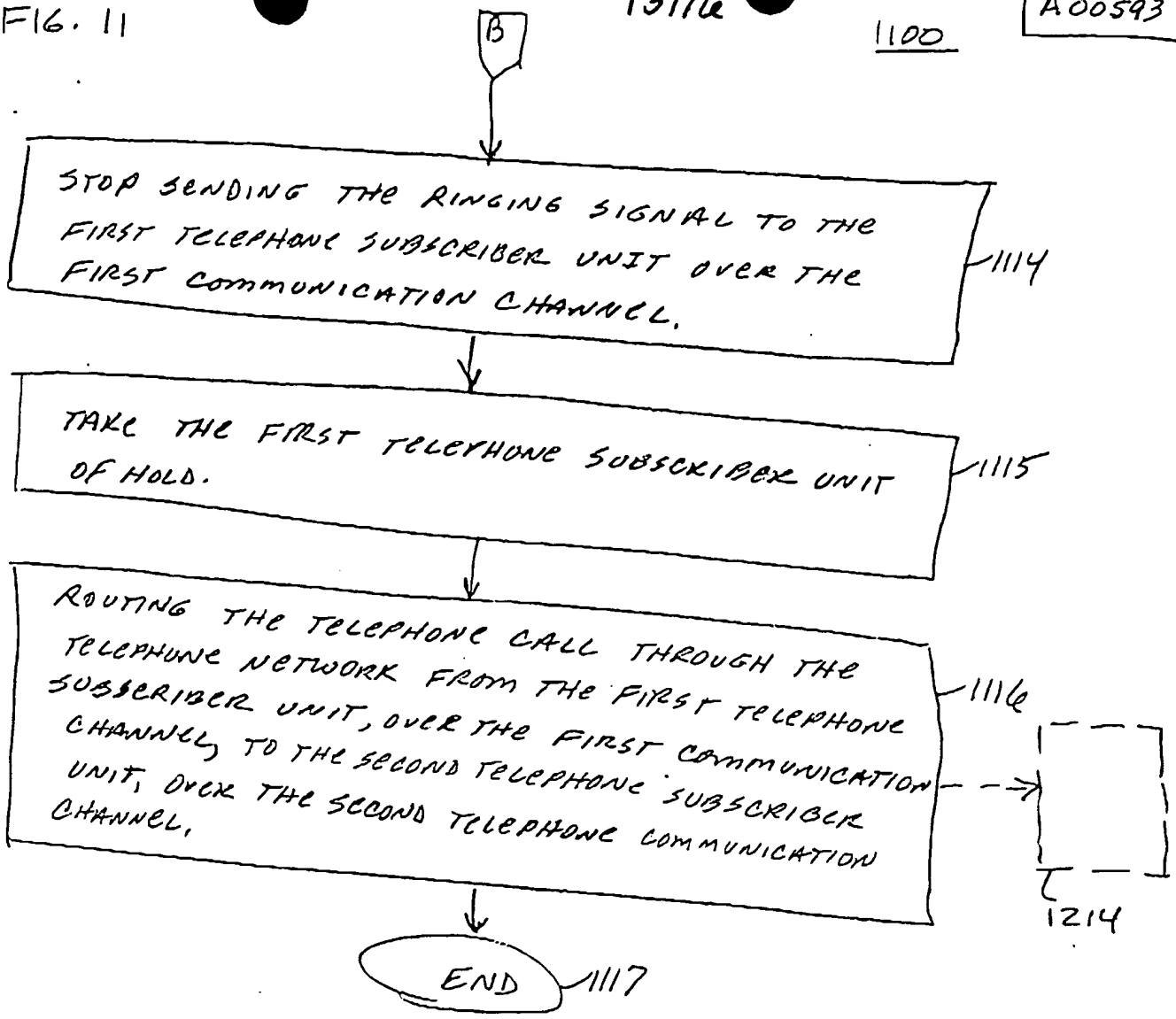


FIG. 12

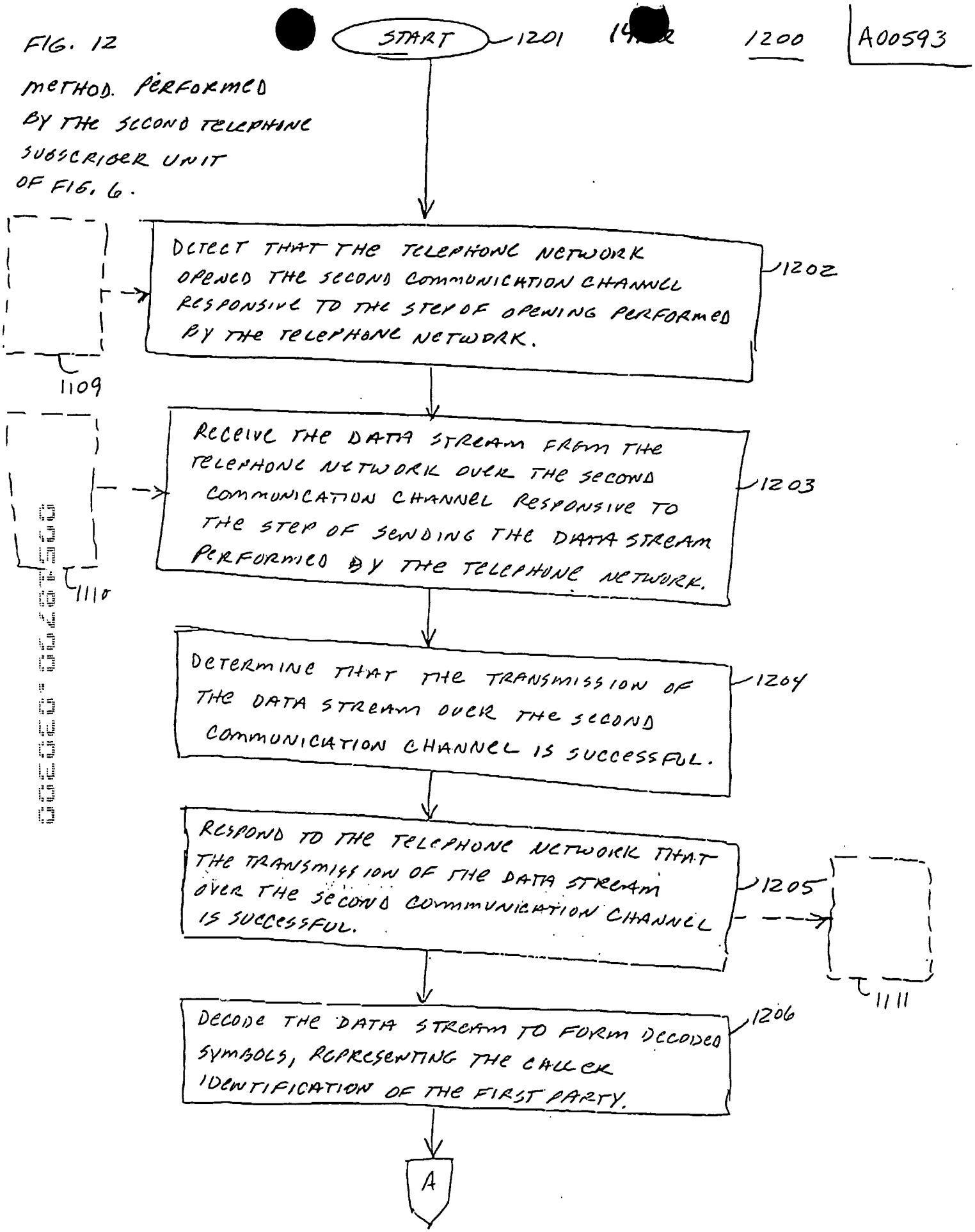
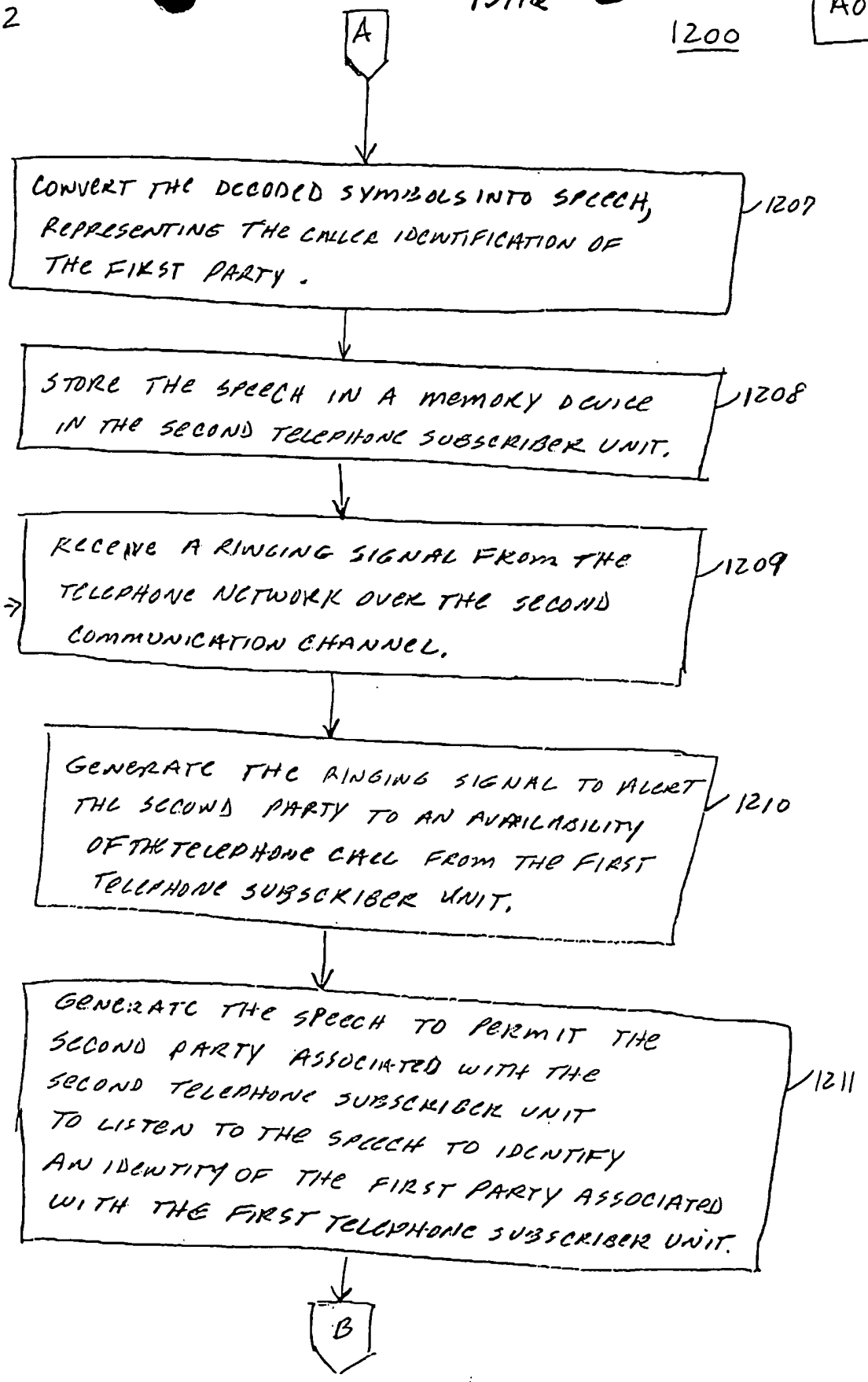

START
1201
1200
A00593
METHOD PERFORMED BY THE SECOND TELEPHONE SUBSCRIBER UNIT OF FIG. 6.
DETECT THAT THE TELEPHONE NETWORK OPENED THE SECOND COMMUNICATION CHANNEL RESPONSIVE TO THE STEP OF OPENING PERFORMED BY THE TELEPHONE NETWORK.
1202
1109
RECEIVE THE DATA STREAM FROM THE TELEPHONE NETWORK OVER THE SECOND COMMUNICATION CHANNEL RESPONSIVE TO THE STEP OF SENDING THE DATA STREAM PERFORMED BY THE TELEPHONE NETWORK.
1203
1110
DETERMINE THAT THE TRANSMISSION OF THE DATA STREAM OVER THE SECOND COMMUNICATION CHANNEL IS SUCCESSFUL.
1204
RESPOND TO THE TELEPHONE NETWORK THAT THE TRANSMISSION OF THE DATA STREAM OVER THE SECOND COMMUNICATION CHANNEL IS SUCCESSFUL.
1205
1111
DECODE THE DATA STREAM TO FORM DECODED SYMBOLS, REPRESENTING THE CALLER IDENTIFICATION OF THE FIRST PARTY.
1206
A

FIG. 12

A00593

1200



A00593

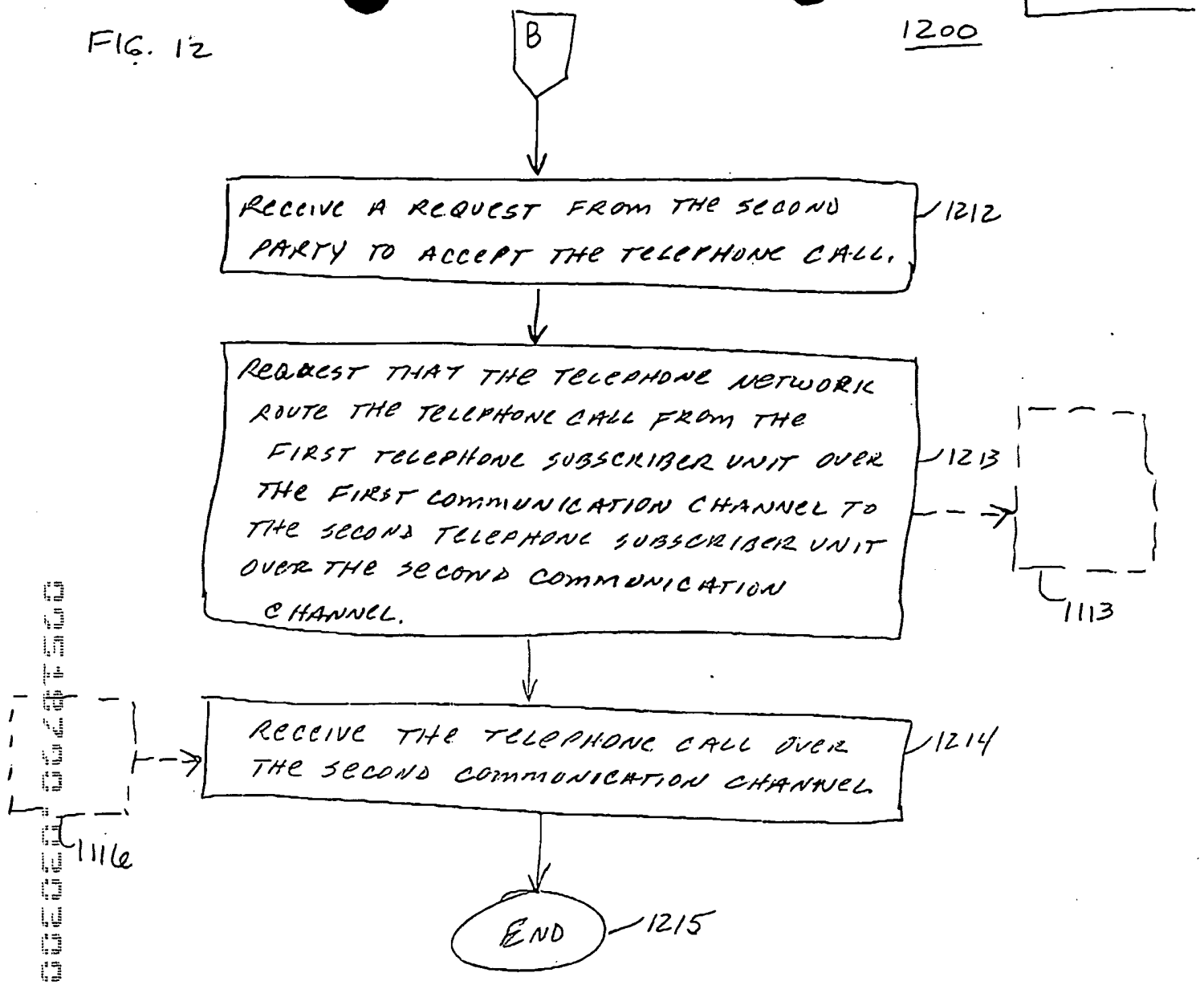



FIG. 12